## WHAT IS CLAIMED IS:

	1.	A method of:
	a)	directing a mammalian immune response towards a Th2 type response, said
5		method comprising administering an IL-174 agonist to immune cells of the mammal;
	b)	stimulating an mammalian innate immune response, said method comprising
	٠,	administering an IL-174 agonist to immune cells of the mammal;
	c)	augmenting a mammalian inflammatory response from epithelial or fibroblast
10	,	cells, said method comprising further administering an IL-174 agonist to said mammal;
	d)	inducing gut cell growth, said method comprising administering an IL-174 agonist to said cell;
15	e)	promoting mammalian extra medulary hematopoiesis, said method comprising administering an IL-174 agonist to said mammal;
13	Ð	directing a mammalian immune response away from a Th2 type response, said
	-7	method comprising administering an IL-174 antagonist to immune cells of the mammal;
	σì	preventing mammalian inflammation or granuloma formation, comprising
20	6)	administering an IL-174 antagonist to immune system cells; or
20	h)	augmenting antibody response in serum and fecal material, said method
	,	comprising administering an IL-174 agonist to immune cells of the mammal.
	2.	The method of Claim 1:
25	a)	directing a mammalian immune response towards a Th2 type response, said method comprising administering an IL-174 agonist to immune cells of the mammal;
	<b>b</b> )	stimulating an mammalian innate immune response, said method comprising administering an IL-174 agonist to immune cells of the mammal;
30	<b>c</b> )	augmenting a mammalian inflammatory response from epithelial or fibroblast cells, said method comprising further administering an IL-174 agonist to said mammal;
		) inducing gut cell growth, said method comprising administering an IL-174 agonist to said cell; or
35	e	promoting mammalian extra medulary hematopoiesis, said method comprising
		administering an IL-174 agonist to said mammal.

	The method of Claim 2:	
	d) inducing gut cell growth, said method comprising administering an IL-174	
	agonist to said cell;	
5	e) promoting mammalian extra medulary hematopoiesis, said method comprising	
	administering an IL-174 agonist to said mammal.	
	4. The method of Claim 1:	
	f) directing a mammalian immune response away from a Th2 type response, said	
10	method comprising administering an IL-174 antagonist to immune cells of	
10	the mammal;	
	g) preventing mammalian inflammation or granuloma formation, comprising	
	administering an IL-174 antagonist to immune system cells; or	
	h) augmenting antibody responses in serum and fecal material, said method	
15	comprising administering an IL-174 agonist to immune cells of the mamma	1.
	5. The method of Claim 2 administering an agonist, wherein said	
	administering:	
	a) induces cytokine production by a fibroblast, epithelial, or endothelial cell;	
20	b) downregulates an inflammatory response which accompanies an infection;	
	c) stimulates growth of an epithelial cell; or	
	d) induces growth of gut epithelial, fibroblast, or goblet cells.	
	6. The method of Claim 2 administering an agonist, wherein said mammal	
25	exhibits, or has experienced conditions to stimulate:	
	a) an autoimmune condition;	
	b) an infectious disease immune response;	
	c) a wound healing response; or	
	d) a Th1 mediated condition.	
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	7. The method of Claim 6, wherein:	
	a) said autoimmune condition is selected from:	
	i) multiple sclerosis;	
	ii) systemic lupus erythematosis;	
35	iii) rheumatoid arthritis;	
	iv) diabetes; or	

	v) psoriasis;
	b) said infectious response is symptomatic of:
	i) an Aspergillis infection;
	ii) a fungal infection, including Candidaisis, Blastomycosis, or
5	Aspergillosis;
	iii) a parasitic infection, including Schistosomiasis, fluke worm, Helminth
	or Filariasis; or
	iv) a viral infection, including hepatitis; or
	c) said Th1 mediated condition is an inflammatory condition, including Crohn's
10	disease, ulcerative colitis, pancreatitis, hepatitis, or eosinophilic gastritis.
	8. The method of Claim 7 treating an infectious response, further comprising
	administering another therapeutic entity to treat said infection.
15	9. A method of Claim 2, stimulating an mammalian innate immune response
	10. The method of Claim 4 administering an antagonist, wherein said antagon
	is a monoclonal antibody against IL-174.
20	The method of Claim 4 administering an antagonist, wherein:
	a) said administering blocks eosinophil attraction, tissue remodeling, or fibrosis;
	b) said mammal exhibits, or has experienced conditions to stimulate:
	i) an allergic condition;
	ii) an inflammatory condition; or
25	iii) a Th2 mediated condition.
	12. The method of Claim 11, wherein:
	a) said eosinophils are attracted to the lung, liver or intestine
	b) said fibrosis is pancreatic duct or peribiliary fibrosis;
30	c) said antagonist suppresses production of IL-4, IL-5, and/or IL-13;
	d) said antagonist decreases eotaxin, CCR4, and/or CCR4 expression in BAL;
	e) symptoms of said allergic condition are in the lung;
	f) said allergic condition is a systemic anaphylactic response, skin hypersensitivity
	response, or a food allergy; or
35	g) said inflammatory or Th2 mediated condition is a dermatitis or asthmatic

inflammation.

13. The method of Claim 11, wherein said mammal exhibits, or has experienced conditions to stimulate: a) an allergic condition; b) an inflammatory condition; or c) a Th2 mediated condition. 14. A composition comprising: a) an IL-174 agonist and: i) an antimicrobial, including an antibiotic, antiviral, or antifungal compound; or ii) a chemotherapy agent; or b) an IL-174 antagonist and: i) an allergy medicament; ii) an asthma medicament; iii) a dermatitis medicament; iv) a fibrosis medicament; or

v) an eosinophilic gastritis medicament.

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